20 July 1992

Supplement 1 to Functional Description (FD)
for the Technical Data/Configuration
Management System (TD/CMS), dated 1 April 1984

1. PURPOSE. This supplement to the (draft) Functional Description for TD/CMS, dated 1 April 1984, provides comments, corrections, and additional requirements to update the system functional requirements to the current needs of the user communit,v as it currently exists within the U.S. Army Materiel Command (AMC). Much of this capabilit,v currently exists within the enhanced versions of TD/CMS (TD/CMS-E) that are in use at the AMC major subordinate commands (MSCs).

2. SCOPE. This Supplement updates the FD so that when used with the FD and the documentation describing the Commodit,v Command Standard Systems (CCSS) version of TD/CMS, it provides an accurate portrayal of TD/CMS functional requirements. This Supplement does not in itself replace the basic system design as provided in the FD or the FD referenced documents.

3. CORRECTIONS AND UPDATED REQUIREMENTS. The corrections and updated requirements which follow apply to the paragraph numbering sequence as it appears in the FD. As a general comment, wherever the term DARCOM appears, the current term is AMC.

a. Paragraph 1.2

(1) Add: MIL-T-31000 (General Specification for Technical Data Packages); AR 700-70 (Application of Specification, Standards and Related Documents in the Acquisition Process), DOD Directive 5000.1 (Defense Acquisition), DOD Instruction 5000.2 (Defense Acquisition Management Policies and Procedures), DOD Manual 5000.2-M (Defense Acquisition Management Documentation and Reports) and MILr STD 973 (Configuration Management).

(2) Delete: DOD Directive 4120.3, DOD Directive 5010.19, MILtT 60530, MIL-STD 480, MIL-STD 481 and MIL-STD 1679, as all have been cancelled or superseded.

NOTE: In addition, other project references are not current and all should be reviewed to bring the references to current status.

b. Paragraph 2.1.1- Rewrite the first sentence of this paragraph to read: "The Technical Data/Configuration Management System (TD/CMS) is a comprehensive system that records, maintains and reports the configuration management life cycle and engineering data that identifies and describes the relationships of items and technical/engineering documents."

c. Paragraph 2.1.3 - Rewrite the last sentence to read, "AMC elements currently operate a relatively standard core data set residing on a variety of computers."

d. Paragraph 2.2 - Delete last 2 sentences. An enhanced version of TD/CMS (TD/CMS-E) has been developed and implemented at selected AMC sites, and is available for implementation at additional sites within AMC; thus the requirement for phased approach to implementation has been decreased by events.

e. Paragraph 2.2.1 - General - Delete references in subparagraphs of 2.2.1 to paragraph 2.4 and it's subparagraphs.

£ Paragraph 2.2.1.2 - Add the following statement, " This capability currently exists. TD/CMS-E is operated in modern online interactive DBMS."

g. Paragraph 2.2.1.5 - Modify paragraph title to read, "Provide Electronic Transmission and Information Sharing Capabilities." Add, "between Government and industry organizations.", at the end of the first sentence.

h. Paragraph 2.2.1.12 - Replace "CCSS systems't with the phrase: "standard systerns, including those emerging under Corporate Information Management (CIM) and Computer Aided Acquisition and Logistics Support (CALS) initiatives."

i. Paragraph 2.2 2 - Add prior to the first seritence, "Information regarding the TD/CMS redesign approach is provided for background information. TD/CMS-E has been developed and is available for implementation within AMC. Barriers and requirements concerning either the redesign or phased approach to implementation have been overcome."

j. Paragraph 2.2.3 - Add prior to the first sentence, "Information regarding the TD/CMS anticipated operational changes is provided for background information. TD/CMS-E has been developed and is available for implementation within AMC." Change "Technical Information Management System (TIMS)" to "Joint Computer Assisted Acquisition and Logistics Systems (JCALS)" at all occurrences.

k. Table 2.2.2 - Add as a footnote to the table, "Information regarding the TD/CMS redesign approach is provided for background information. TD/CMS-E has been developed and is available for implementation within AMC. Barriers and requirements concerning either the redesign or phased approach to implementation have been overcome."

1. Paragraph 2.3.1- Rewrite to read, "GENERAL: The current systems employed by the AMC Major Subordinate Commands (MSCs) vary from the CCSS batch TD/CMS to the current AMC Standard TD/CMS-E. Most MSCs have a unique variation of TD/CMS-E. Two commercial activities have implemented a version of TD/CMS-E, and a third is in the process of installing the current AMC standard version. TACOM is currently testing TD/CMS-E in parallel with the CCSS version of TD/CMS to insure that the approved functional requirements are met. Proliferation of the standard system is uncertain at this time due to funding constraints and the Joint Logistics Systems Center's (JLSC's) pending decisions on a DOD Standard System to support configuration management. Proliferation of a standard system to support configuration management within the Army is critical. TD/CMS-E meets the Army's immediate needs.

m. Paragraph 2.3.2 - Add prior to subparagraph a, 'This paragraph details deficiencies in the CCSS batch TD/CMS. The AMC Standard TD/CMS-E eliminates these deficiencies."

n. Paragraph 2.3.3 - Add prior to the first sentence, "The existing data flow outlined in this paragraph and Appendix A, figures A-1 through A-8 pertain to the CCSS version of TD/CMS. The flow charts at figure 2-2 and 2-1 (as modified below) provide a reasonable data flow of the process currently employed within AMC."

o. Paragraph 2.3.4 - Add prior to the first sentence, "In this paragraph, all references to key punched batch updating and computer input sheets pertain to the CCSS version of TD/CMS. The TD/CMS-E version replaced the old technology with interactive or electronic file transfer updates in either a direct or batch mode based on systems administrator determination."

p. Paragraph 2.3.5 - Add prior to the first sentence, "In this paragraph, all references to key punched batch updating and computer input sheets pertain to the CCSS version of TD/CMS. The TD/CMS-E version replaced the old technology with interactive or electronic file transfer updates in either a direct or batch mode based on systerns administrator determination."

q. Figure 2-1 :Add as a footnote to this table, "In paragraph 5, all references to key punched batch updating and computer input sheets pertain to the CCSS version of TD/CMS. The TD/CMS-E version replaced the old technology with interactive or electronic file transfer updates in either a direct or batch mode based on systems administrator determination."

r. Paragraph 2.4 - Add, prior to subparagraph a, "General. The database described in subparagraphs a and b of the proposed methods and procedures for redesign has been accomplished by the creation of TD/CMS-E using modern online interactive database concepts which employ sigIuficant standard reporting and SQL capabilities, all of which resides, as a minimum on MILNET. Subparagraph c lists the generic reports for ISD/CMS-E. In actual implementation additional local flexibility in reports generation permits TD/CMS-E to provide outputs required by local variation. The functionality described by subparagraphs g, h, i, j, k, l, m, n and o has been achieved in the design of TD/CMS-E.

s. Paragraph 2.4.e - Add, at the end of the subparagraph, "In addition to CCSS, versions of TD/CMS-E operate and interface to a variety of standard and non-standard (Command Unique) systems, including those associated with CIM and CALS implementation."

t. Paragraph 2.4.1.1- Add, as a general statement, prior to subparagraph a, "Subparagraph a describes an improvement to be obtained by use of a DBMS. This improvement has been realized in TD/CMS-E. Subparagraph b describes an improvement to be obtained by compatible TD/CMS. A majority of the requirement has been obtained in TD/CMS-E. TD/CMS-E needs to be enhanced to obtain the goal of data sharing to meet the objectives of the CIM and CALS open architecture. These needs will be identified as Full Operational Capability (FOC) requirements for the system. Subparagraph e, describes the requirements interface to CCSS as well as CIM and CALS implementations. TD/CMS-E has the capability to interface with modern database systems. Subparagraph k describes a shortfall of the CCSS TD/CMS which has beer corrected in TD/CMS-E. Subparagraph i, describes a reconstruction feature that is operational at one TD/CMS-E site. This capability can be replicated at other TD/CMS-E sites, if required by those sites.

u. Paragraph 2.4.1.1.e. - Replace the word "CCSS" with the phrase " CCSS, CIM and CALS implementations" wherever it appears in this paragraph.

v. Paragraph 2.4.1.1j - Delete the word "Override" in the title to this paragraph. In the first sentence, replace, "an override feature" with, "a feature".

w. Paragraph 2.4.1.2 - Add a general note prior to subparagraph a, "Subparagraphs b and c describe deficiencies of the CCSS version of TD/CMS that have been rectiEled by the TD/CMS-E design."

x. Paragraph 2.4.1.3 - Add a general note prior to the first sentence, "This paragraph describes deficiencies of the CCSS version of TD/CMS that have been rectified by the TD/CMS-E design."

y. Paragraph 2.4.1.4 - Add a general note prior to subparagraph a, 'This paragraph describes deficiencies of the CCSS version of TD/CMS that have been rectified by the TD/CMS-E design."

z. Paragraph 2.4.2 - Add, prior to the first subparagraph, "This paragraph and all supporting subparagraphs describe impacts which have been realized through the TD/CMS-E design."

aa. Section 3 - Add, prior to paragraph 3.1, "The requirements, functions, and characteristics detailved in this section are essentially met by the TD/CMS-E design."

ab. Paragraph 5.1.b - Rewrite to read~ 'The user commands have evaluated their system requirements as to the records on file and the anticipated increase to their workload in order to develop a preliminary estimate as to the amount of hardware needed to support their functions. The table at paragraph 5.1.d provides a listing of these preliminary requirements. A site survey should be done at each installation site to determine complete sizing requirements. Maximum use should be made of existing hardware, peripherals, and network capability, to include use of Army Information Processing Center (AIPC) assets." ac. Paragraph 5.1.c - Delete the first two sentences and the last sentence.

ad. Paragraph 5.1.d. - Update table as follows: - Add column "Host Computer"; change "remote CRTs" to "Users".

Host Computer		Users
ARDEC	Sun 490	280
ATCOM	Sperry 5000/95 Integraph 6505	319
BRDEC	Sperry 5000/95	155
CECOM	Integraph 6505	
CRDEC	Pyramid MIS4	400

HDL		
MICOM	Integraph 650	5600
TACOM	MIPPS 3360	500

ae. Paragraph 5.2 - Add, prior to subparagraph a, "This paragraph describes a support software environment that is based on the need to change from the CCSS version of TD/CMS. The support software environment described in these paragraphs currently exists in TD/CMS-E." af. Paragraph 5.2.a - Delete the last sentence.

ag. Paragraph 5.2.b - In the fourth sentence, replace, "ALMSA" with, "the system developer".

ah. Paragraph 5.3 - Add, prior to paragraph 5.3.1, "This paragraph describes interfaces originally determined for the redesigned TD/CMS that were not possible with the CCSS version of TD/CMS. While many of these interfaces were accomplished with TD/CMS-E, and many others added such as AVSCOM's interfaces to their cataloging system and ARDEC's interfaces to their TDP Tracker and CM Status Accounting Syster4 not all desired interfaces are in place within TD/CMS-E. The current TD/CMS-E has the capability to interface with modern database systems. Work still remains on the definition and programming of additional interfaces."

ai. Paragraph 5.3.2 - In the fourth sentence, replace the word "CCSS" with "CCSS, CIM and CALS implementations".

aj. Paragraph 7.1- Rewrite to read, "The TD/CMS Functional Coordinating Group (FCG) working in concert with the Center for Army Integrated Systems (CAIS) is responsible for formulating functional requirements for the system and preparing the Functional Description. Management oversight will be accomplished by the Acquisition Management Systems Review Committee (AMSRC) and the Joint Logistics Systems Center (JLSC). Functional System Manager responsibility is assigned to the AMC Deputy Chief of Staff for Research, Development and Engineering. Army program management is assigned to PM DSREDS. System development of CIM systems is the responsibility of the JLSC."

ak. Paragraph 7.2 - Add the following note to this paragraph, "NOTE: The completion of these milestones has not been accomplished due to funding constraints. Upon approval of funding by the JLSC, a new schedule will be developed. It is noted that vario.us AMC Activities have fielded variations of TD/CMS-E. The specific

functionality that has been implemented and is in use is critical to continued operations of those Activities."

al. Paragraph 7.3 - Add the following note to this paragraph, "NOTE: The system implementation was not completed due to funding constraints. Upon approval of funding by the JLSC, a new implementation schedule will be developed. As was noted, various AMC Activities have fielded variations of TD/CMS-E. The specific functionality that has been implemented and is in use is critical to continued operations of those Activities."

am. Appendix A - Add, prior to the first chart, 'The existing data flow outlined in this Appendix, figures A-1 through A-8, and paragraph 2.3.3 pertain to the CCSS version of TD/CMS. The flow charts at figure 2-2 and 2-1 (as modified) provide a reasonable data flow of the process currently employed within AMC."

an. Appendix B - Add, prior to the first report, 'This appendix provides a description of typical TD/CMS reports. The current TD/CMS-E has expanded reporting capabilities. This Appendix should be considered as typical but not all inclusive."

ao. Appendix C - Add, prior to the data element table, ' This appendix describes the CCSS TD/CMS Data Dictionary, which for the most part, continues to reflect the TD/CMS-E Data Dictionary. TACOM as lead, and the other MSCs, have provided updated Data Dictionary definitions to the AMSRC. This Data Dictionary needs to be expanded to include any required elements identified for a Full Operational Capability (FOC) system."

ap. Appendix D - Add, prior to Figure D-1, "This appendix provides a breakout of TD/CMS Input Data and Functions. While it is a good representation of TD/CMS-E data and functions, it does not reflect all requirements that would be necessary for the FOC system. These FOC data and functional requirements need to be extracted from the additional requirements submitted by the TD/CMS-E FCG."

4. ADDITIONAL REOUIREMENTS. The following are new requirements not previously defined in the FD. These requirements are necessary for a fully operational FOC system.

a. Combat Developer Notification: In response to the memorandum issued by the DA Assistant Secretary for Plans and Programs, dated 15 Mar 91, the following capabilities/fields must be added to the Change Release Sections of TD/CMS(E):

(1) All information contained in the Combat Developer Coordination Checksheet (CDCC).

(2) CDCC results must be added to the Configuration Control Board Directive (CCBDE).

(3) Add a field for "Change Synopsis" for inforrnal coordination requirements.

(4) Add a field for the "Combat Developer Code".

(5) Add a field for detailed justification explaining why a deviation/waiver should be granted.

b. Audit Trail: The system shall contain a fully automated audit trail for all actions performed within the system. This should include: the user id of the person performing the action; the action performed (add, change, delete, and query); the action date/time and the exact information in the record before an add, change or delete action.

c. Site Specific Security: The system shall have the capability to: limit the access to any specific field (sit,e specified) for designated actions; and limit access/action to entire records by user identification linked to specific fields.

(13 Example 1: All ARDEC persormel with data entry privileges are allowed to add a record for the first time. However, once a record is established (added), only specifically designated personnel are allowed to modify certain fields (CAGE Code, security classification, drawing/cross-reference ID, etc.). These restricted fields should be able to be designated by each user site, dependent upon the stability of the data, expertise of the data entry personnel, etc.

(2) Example 2: Totallow other Government agencies and contractor personnel to use the same data base and still maintain system security and integrity, these personnel should be limited by User ID only to those records designated by their user access level. The ARDEC data base is being used by the Tools and Equipment Division, Rock Island Arsenal. Their CAGE Code is 59678. Only those records that contain 59678 in the Custodian CAGE Code field are accessible to the T&E personnel. The same would apply to the System Technical Support contractor personnel responsible for TD/CMS maintenance of a specific weapons system.

d. Increase Multisheet Capabilities: The current TD/CMS(E) has the capability to record multiple sheet records only up to three characters. This is insufficient for current use at ARDEC. We have many book form drawings/documents that exceed 999 sheets.

In the area of software documentation, this is not unusual. The field must be expanded to at least four characters. In addition to expanding the quantity of multiple sheet capabilities, the capability must be added to track the distribution level for each individual sheet.

e. Facilitate Defense Logistic Agency (DLA) Transfer: Due to current requirements to transfer replacement/spare parts to DLA, there is a need to be able to transfer large numbers of small packages to DLA~ The desired functionality is for TD/CMS or its successor to receive an input file consisting of document numbers and CAGE codes and output a pull tape to drive DSREDS to produce the appropriate documents for transmittal to DIS This will- eliminate the current need to create large data lists in DSREDS by inputting one document at a time.

f. Distribution Code Capability: Additional detail file positions should be allocated to accommodate "Document Distribution" and "Export Control Notice" requirements in accordance with MILtSTD-1806.

g. Tracking Outstanding Specification Change Notices (SCN): The system must provide for the identification of all SCN that apply to a specific revision of a specification.

h. Expanded Change Release:

(1) Provide additional data fields to permit executive level reporting capability from a change release file menu of summary reports such as:

Open ECP Report
Closed ECP Report
ECP Status Report
ECP Contract Status Report System
ECP Report
End Item Report
End Item Report during a specific timeframe
Monthly Activity Report of dispositioned ECPs
Monthly Activity Report of received ECPs
Monthly Activity Class II Report
ERR Delinquency Report on ECPs received during a certain timeframe
Microfilm Delinquency Report on Incorporated ECPs
ERR Delinquency Report
ECP Final Approval Delinquency Report
MOD Delinquency Report all contracts
MOD Delinquency Report by contract number

ECPs to PCO for implementation reported by contract All ECPs effective against specific contract report
ECP Efficiency Report to establish average time in processing station
ECP Efficiency Report by contract
All RFW/RFDs by contract
All ECP/RFW/RFD records
ECP Report by type code
ECP Report by contractor code
Monthly Activity Report on received ECPs by contractor
Monthly Activity Report on approved ECPs by contractor
ERR Delinquency Report by contractor
Microfilm Delinquency Report by contractor
Cost ECP Report by contract
ECP Activity Report by system

(2) The ECP number field must be expanded to accommodate 15 characters, as allowed by MIL-STD480.

i. Rights in Data Identification: A one-character field for identification of rights for individual sheets must be incorporated in the detailed information about documents. This field is essential to delineate distribution limitations.

j. Expanded Reports: The breakdown reports capabilities must be expanded to include local requirements. Several that have been currently identified are described below. In addition to these three, the system must be able to create locally required reports utilizing any information currently existing in the system.

(1) CECOM and Fort Belvoir have requirements for an expanded Generation Breakdown List (GBL). Their requirements are not identical. To provide both of their requirements and to anticipate possible future needs, we recommend that a new report expanding the GBL be initiated. This would be an indented parts/documents list that includes reference documents, packaging, inspection and specifications. These additional sections would be able to be suppressed individually at the time the report is requested. These sections would be broken out separately and identified as to the level that they occurred.

(2) The current TD/CMS(E) has the capability to generate a where-used report whenever a TDPL or EDL is requested. This is a separate report that is a "tagalong" to the original report. MICOM has a requirement for the where-used report information to appear on the TDPL/EDL report. This information is already captured

and the only difficulty is making it all fit on one report. This probably would require local designations of what fields to print and what fields to suppress for a single report. k. User Help Screens:

(1) TD/CMS(E) currently contains help screens for some of the data fields. These help screens serve two purposes: first, to aid the casual query user in interpreting the data already l-eaded into the data base; and second, to aid/edit the data entry process. If the data entry personnel are unsure of the correct data for a specific field, they can enter a "?" and the available correct entries will appear as a sub-menu. The correct information is selected and is automatically entered in that field. The same submenu appears if the data entry personnel attempts to enter incorrect data.

(2) The help screens must be expanded to all fields requiring editable information. Additionally, some of the help screens must be able to be locally modified. Some fields are standard and are set in programs (type document codes, security classification, etc.). Other fields would contain only that data applicable to the local Command (CAGE Codes).

1. Add Weapon System Code Capabilities: Expand the user code and organizational control, and create a data field in the configuration flle to identify the weapon systems which use the documents. This will allow reporting of all transactions and records by individual systems.

m~ Interface with Procurement Systerns: Interface with CCSS requirements and provide on-line access through TD/CMS-E to a relational data base which includes command-unique procurement requirements such as: Procurement request order number Procured for weapon system Special review action Date information verifies (tech llop verification of TDPL) Test sample requirement Specification requirement (quality program requirements) First article testing responsibility (Government or contractor activity) Pre-award survey Quality Assurance specialist (responsible for QA data file) Engineering technician (responsible for engineering data file) Government contract quality assurance Point of acceptance Doculnentation specialist (builder of procurement TDPL) 1225 available (availability of signed MICOM 12-25

1225 date (date of MICOM 12-25) AMC/AMSC code (DFARS Supp. 6, acquisition m-ethod and suffix codes) AMC/AMSC code date (date of AMC/AMSC assignment) A-MC/AMSC responsible office (office responsible for Assigning AMC/AMSC). Serial number required Vendor CAGE (maximum of 4 approved sources for limited procurement) Security classification (hardware or TDP) Recornrnended type of buy (engineering r-eccornmendation for type of procurement supported by TDP). Document condition code (denoting procurement status of each document in TDPL). Type format (indicates status of TDPL for type of procurement supported.)

n. Update TD/CMS with DSREDS Status: The capability to identify new data received for input to the DSREDS and TD/CMS systems and sharing of information once the data is loaded and stored in DSREDS must be established in TD/CMS. This capability must allow the system to identify that the drawing/document available in the DSREDS and the TD/CMS table are updated appropriately only after the DSREDS file has the data loaded. This capability is important to assure that the systems remain synchronized.

5. ULTIMATE SYSTEM REQUIREMENTS. The following are requirements not needed to be fully operational at this time, but they will be needed at some time in the future. These constitute enhancements to the FOC system.

a Vendor Database for Source Control Drawings: Catalogers acquire NSNs from the Defense Logistic Services Center (DLSC) for vendor part numbers. The capability to query the data base for all source and specification control drawings using a particular vendor part number would allow them to eliminate duplicate requests to DLSC. The desired functionality is for TD/CMS or its successor to receive, as input, a vendor's part number and then provide a list of all source and specification control drawings which utilize that part number. The user should be able to choose the mode of output, screen or hardcopy.

b. Expanded Part Number: The part number/document identification field should be expanded to be at least 32 positions in the data base and on the file maintenance and query screens.

c. Provide for Electronic Definition of Hardware: The system must have the ability to identify and pull together all the product baseline documentation stored in automated systems (i.e., Computer Aided Design, Digital Storage and Retrieval of Engineering Data

System (DSREDS), publishing systems) and provide that information to a Flexible Computer Integrated Manufacturing System. These Systems may be within Government or industry and utilize Electronic Data Interchange (EDI) protocols. The system must also be able to track not only the baseline revision and date of a document but must also the electronic source and electronic revision of that baseline revision. These files must also be identified as to the electronic revision that applies to the revision filed in the repository. Our recommendation is to provide additional fields to track the source, type of electronic file available, revision and date of the CAD/electronic file that provided the formal revision for microfilming/loading to the automated repository.

d. Battlefield Automated Software: The ultirnate system must contain all of the information required to configuration manage the software documentation. This would include the detail information, configuration (or interface/interrelationship requirements) and status accounting.

e. Expansion of Value Engineering (VE) Management Capabilities:

(1) The VE reporting system, at the MSC reporting level, must provide for data elements for both Value Engineering Proposals (VEPs) and Value Engineering Change Proposals (VECPs). VEPs are VE proposals normally initiated by Government employees (in-house proposals), while VECPs are initiated by Government contractors (contractor proposals). Both VEPs and VECPs require tracking systems to document receipt date, approval dates, implementation dates, several types of savings and provisions to record unique information. VECPs also require contractor notification dates, provisions for recording time when the VECP is returned to the contractor for additional information as well as contract modification dates and other items unique to the contractor proposal. The need to maintain an audit trail requires most of the data elements be retained for historical purposes. The Value Engineering Data Information Storage and Retrieval System (VEDISARS) specifies many data elements which are required to be supplied as input for the cross reference of VE proposal generation ideas. Although VEDISARS currently lacks operational funding, the regulatory requirement for input still exists.

(2) The MSC level reporting system is used by the VE Program Manager to track individual projects/proposals for: status, time for completion, savings accumulated and expected and various other managerial data such as funding, training and contractor performance. The MSC level reporting system supports management of the local VE prograrn and also supplies input for AMC requirements.

(3) AMC requirements consist of tracking reports by VEP and VECP by MSC as well as summary reports by MSC, Program Executive Officer (PEO) and MSC/PEO

combined. AMC Summary Reports are required by major weapon systems, contractors, savings appropriations, and various other categories required for effective management of the AMC VE program.

(4) VE reporting requirements are documented in AMC-R 7s8, Department of Army Regulation, AR 54, Chapter 2, Department of Defense, DOD I 5000.2 Section 11-D, DOD 500.2-M, Part 13 of Office of Management and Budget Circular A-131.

£ Part/Specification/Nomenclature History:

(1) Most technical data repositories maintain the history of documents on an index size card known as the Visual Information (VI) card. This information is extremely useful for looking at the revision history, the ERRs related to those revisions and the dates the revisions were released to the repository system (and distribution was made).

(2) The Specification and Standardization Office also maintains a wealth of information on the history and status of specifications and standards. Normally this information is maintained in non-standard index card files or simple DBM systems not integrated to TD/CMS.

(3) The ultimate system must include all of the information required for maintaining these processes. This information must be interfaced to the Detail, Configuration, and System Model Index records as required. It should also be used as an automated part/drawing/specification number assignment system.

g. Enhance ECP Sorting Capabilities: The ultimate TD/CMS will be the driver for a multitude of related systems. It will control changes, access and distribution of all data managed by that particular system. This is not possible using the interfaces available with the current DSREDS. DSREDS has the capability of storing the ECP as a complete entity (stored and distributed) or as separate components identified with the drawings/documents that they affect. Currently to allow for both options, the ECP must be loaded twice - once in each manner. To allow both capabilities in the future systems, DSREDS and TD/CMS must be able to identify and request the complete entity or individual components. In addition to this, each separate component must be able to be identified as to distribution level. We feel that the most expeditious method for resolution of this problem is to provide for the addition of sheet numbers to the ECP and associated NORs/affected documents within the change release portions of TD/CMS. This would allow TD/CMS to prepare a pull file requesting the entire ECP or only individual parts, dependent upon the type of report requested.

Page 14{TO: i

Initials |Date l

~l.

AMCRD | k||t|

2. _AMCDRA ; ¢|

r/6/fS

l l l l

13. l l l

I . I I I

14. l l |

I l l I

| iAction l IFile |INote and Return |

|XIApproval |IFor Clearance |IPer Conversation l

|gAs Requested |IFor Correction |IPrepare Reply l

§ICirculate |IFor Your Info g gSee Me l

0 IComment |IInvestigate IXISignature l

|ICoordination |IJustify l l l

I _ 1 1_1 1_1 1

IREMARKS §

1 1

ISUBJECT: Summary Sheet - Technical Data/Configuration Management

gSystem (TD/CMS)

l l

.

l l

l l

l l

l l

l l

l l

I , I . . M

I

I 1.

l l

I

l l

l l

.

susJEcn Technical Data/Configuration Management System (TD/CMS)

- RECOMMENDATION: That Mr. GrifFin sign the attached memorandum (TAB A) establishing the AMC wide functional requirements for TD/CMS or its successor.

B

In order to properly delineate the Army's functionality requirements for TD/CMS or its potential successor, the Navy's Configuration Logistics Information Program (CLIP), the AMC functional community met to update the current TD/CMS documentation. This update to the TD/CMS Functional Description (FD) was developed as a result of a TD/CMS Functional Coordinating Group (FCG) Meeting held at TACOM during the period 14-16 April 1992.

This document, along with the basic FD, constitutes the Army's functional requirements for the configuration management system. These requirements will form the basis for acceptance testing of the Configuration and Logistics Information Program (CLIP) and/or the implementation of the enhanced version of TD/CMS (TD/CMS-E).

(Background continued on page 2.)

SruECn Technical Data/Configuration Management System (TD/CMS)

TACOM and AMCCOM concurred with the update as written. Concurrences, with comments, were received from AVSCOM, CECOM, MICOM, and TROSCOM. The comments were reviewed, and in most cases, incorporated as written. Some comments were adapted to fit the context and style of the surrounding text. A comment from CECOM regarding strengthening the Army's position on TD/CMS-E versus CLIP was not incorporated because the FD is designed to define functional requirements, and not to advocate a specific system. A comment from AVSCOM regarding standardization of processes and data is addressed in parag!aph 5 of the memorandum.

Encl